

06/03/2006

Page 1

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 05 CASREACT(R) - Over 10 million reactions available  
NEWS 4 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE  
NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
NEWS 6 DEC 14 CA/CAPplus to be enhanced with updated IPC codes  
NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPplus with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 13 JAN 30 Saved answer limit increased  
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency  
added to TULSA  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:05:33 ON 21 FEB 2006

10812214

=> file registry  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 14:05:43 ON 21 FEB 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 FEB 2006 HIGHEST RN 874742-76-4  
DICTIONARY FILE UPDATES: 20 FEB 2006 HIGHEST RN 874742-76-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

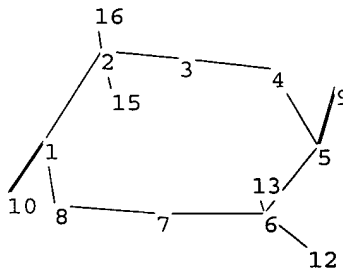
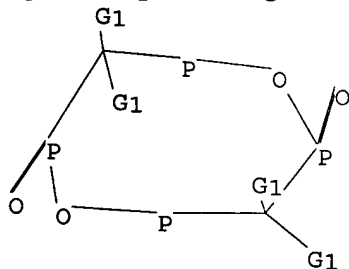
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10812214.str



chain nodes :  
9 10 12 13 15 16  
ring nodes :  
1 2 3 4 5 6 7 8

10812214

chain bonds :

1-10 2-15 2-16 5-9 6-12 6-13

ring bonds :

1-2 1-8 2-3 3-4 4-5 5-6 6-7 7-8

exact/norm bonds :

1-2 1-8 1-10 2-3 2-15 2-16 3-4 4-5 5-6 5-9 6-7 6-12 6-13 7-8

G1:H,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS

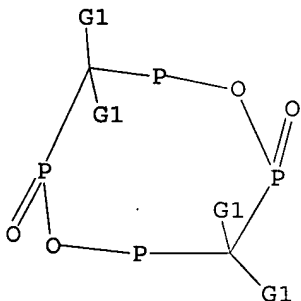
12:CLASS 13:CLASS 15:CLASS 16:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,X

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:05:59 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 14:06:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 140 TO ITERATE

100.0% PROCESSED 140 ITERATIONS

30 ANSWERS

SEARCH TIME: 00.00.01

10812214

L3 30 SEA SSS FUL L1

=&gt; file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

FILE 'CAPLUS' ENTERED AT 14:06:05 ON 21 FEB 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 21 Feb 2006 VOL 144 ISS 9

FILE LAST UPDATED: 20 Feb 2006 (20060220/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=&gt; s l3

L4 3 L3

=&gt; d abs fbib hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB 2-(4-Nitrophenylethyl) methylenebis(phosphonate) has been prepared by reaction of 2-(4-nitrophenyl)ethyl alc. with methylenebis(phosphonyl) tetrachloride. This compound was treated with diisopropylcarbodiimide (DIC) to give the bicyclic intermediate, which in reaction with suitably protected 2'-deoxynucleosides gave P1,P2-disubstituted methylenebis(phosphonate)s. Removal of the nitrophenylethyl group by  $\beta$ -elimination with DBU afforded the corresponding 2'-deoxynucleoside 5'-methylenebis(phosphonate) analogs.

AN 1998:667136 CAPLUS

DN 129:343664

TI Synthesis of 2'-deoxynucleoside 5'-methylenebis(phosphonate)s using 2-(4-nitrophenyl)ethyl methylenebis(phosphonate) as the phosphorylating agent

AU Lesiak, Krystyna; Watanabe, Kyoichi A.; Pankiewicz, Krzysztof W.

CS Division of Medicinal Chemistry, Codon Pharmaceuticals, Inc., Gaithersburg, MD, 20877, USA.

SO Nucleosides & Nucleotides (1998), 17(9-11), 1857-1860  
CODEN: NUNUD5; ISSN: 0732-8311

PB Marcel Dekker, Inc.

DT Journal

LA English

IT 215586-43-9P

10812214

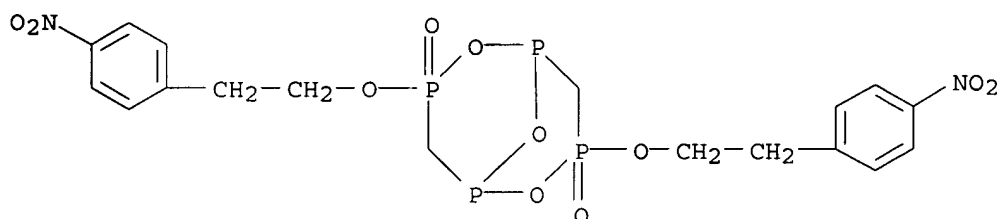
*Date not good*

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of deoxynucleoside methylenebis(phosphonate)s using (nitrophenyl)ethyl methylene bis(phosphonate) as the phosphonylating agent)

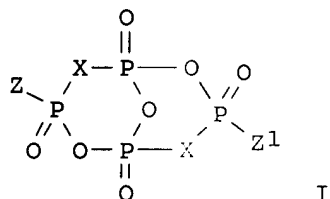
RN 215586-43-9 CAPLUS

CN 2,6,9-Trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane, 3,7-bis[2-(4-nitrophenyl)ethoxy]-, 3,7-dioxide (9CI) (CA INDEX NAME)



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
GI



I

AB Preparation of nucleotide bicyclic tris(anhydride)s I (Z, Z1 = alkyl, aralkyl, aryl, aminoalkyl, alkyloxy, aralkyloxy, alkylamino, aralkylamino, alkylmercaptan, aralkylmercaptan, arylmercaptan, sugar, nucleoside, steroid, glyceride; X = CH2, halo-methylene, NHR; R = H, alkyl) useful as intermediates in the synthesis of biol. active compds., and the compds. which may be synthesized from such intermediates, is reported. Thus, P1-[9-(3'-fluoro-3'-deoxy-β-D-arabinofuranosyl)-hypoxanthin-5'-yl]-P2-[7-hydroxy-5-methoxy-4-methylphthalan-1-on-6-yl-(3'-methyloct-2'-ene-8'-yl)]methylene-bis(phosphonate) was prepared

AN 1998:239233 CAPLUS

DN 128:321865

TI Preparation of nucleotide tetraphosphonate bicyclic trisanhydrides

IN Pankiewicz, Krzysztof W.; Lesiak, Krystyna; Watanabe, Kyoichi A.

PA Codon Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 144 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9815563	A1	19980416	WO 1997-US18323	19971009
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP,				

KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG,  
 SI, SK, SL, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM  
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,  
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
 GN, ML, MR, NE, SN, TD, TG

			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
CA 2268434	AA	19980416	CA 1997-2268434		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
AU 9748151	A1	19980505	AU 1997-48151		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
EP 934325	A1	19990811	EP 1997-910883		19971009
EP 934325	B1	20040714			
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
CN 1239964	A	19991229	CN 1997-180340		19971009
CN 1113888	B	20030709			
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
JP 2001501952	T2	20010213	JP 1998-517770		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
BR 9712285	A	20011120	BR 1997-12285		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
AT 271058	E	20040715	AT 1997-910883		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
EP 1469003	A2	20041020	EP 2004-76948		19971009
EP 1469003	A3	20041124			
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			EP 1997-910883	A3	19971009
PT 934325	T	20041029	PT 1997-910883		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
ES 2225958	T3	20050316	ES 1997-910883		19971009
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
MX 9903331	A	20000630	MX 1999-3331		19990409
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213
			WO 1997-US18323	W	19971009
KR 2000049026	A	20000725	KR 1999-703092		19990409
			US 1996-28154P	P	19961009
			US 1997-38360P	P	19970213

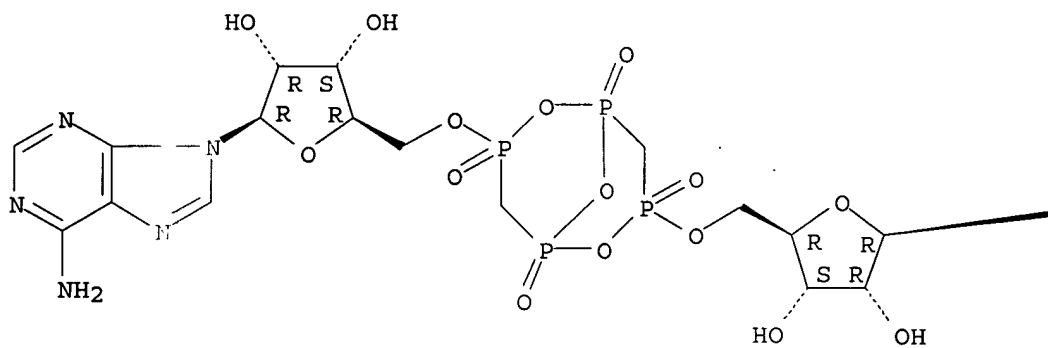
PATENT FAMILY INFORMATION:

10812214

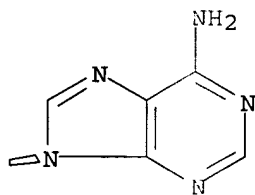
FAN	2001:876569				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 6326490	B1	20011204	US 1997-949180	19971010
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
	CN 1239964	A	19991229	CN 1997-180340	19971009
	CN 1113888	B	20030709		
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
	EP 1469003	A2	20041020	EP 2004-76948	19971009
	EP 1469003	A3	20041124		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
				EP 1997-910883	A3 19971009
	PT 934325	T	20041029	PT 1997-910883	19971009
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
	ES 2225958	T3	20050316	ES 1997-910883	19971009
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
	KR 2000049026	A	20000725	KR 1999-703092	19990409
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
	US 2002161220	A1	20021031	US 2001-8572	20011113
	US 6713623	B2	20040330		
				US 1996-28154P	P 19961009
				US 1997-38360P	P 19970213
				US 1997-949180	A1 19971010
	US 2004181078	A1	20040916	US 2004-812214	20040329
				US 1997-949180	A1 19971010
				US 2001-8572	A1 20011113
OS	MARPAT 128:321865				
IT	206647-53-2P 206647-54-3P 206647-55-4P				
	206647-56-5P 206647-57-6P 206647-58-7P				
	206647-59-8P 206647-60-1P 206647-61-2P				
	206647-62-3P 206647-63-4P 206647-64-5P				
	206647-65-6P 206647-66-7P 206647-67-8P				
	206647-68-9P 206647-69-0P 206647-70-3P				
	206647-71-4P 206647-72-5P 206647-73-6P				
	206647-74-7P 206647-75-8P 206647-76-9P				
	206647-77-0P 206647-78-1P 206647-79-2P				
	206647-80-5P				
	RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)				
	(preparation of nucleotide tetraphosphonate bicyclic trisanhydrides)				
RN	206647-53-2 CAPLUS				
CN	Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

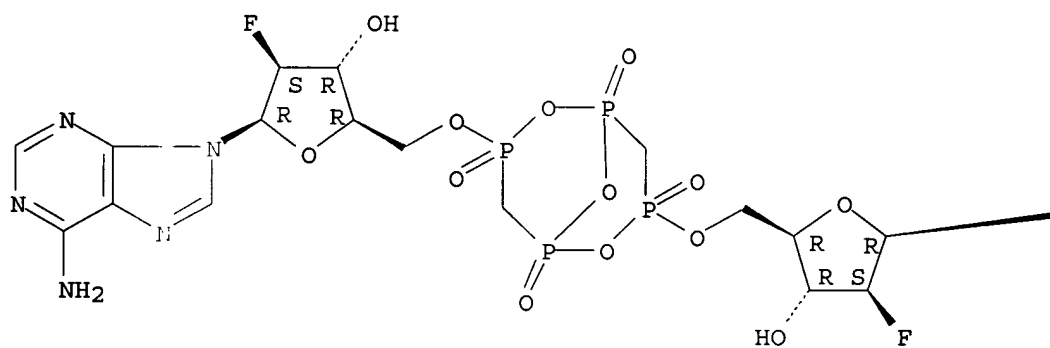


RN 206647-54-3 CAPLUS

CN  $\beta$ -D-Arabinofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,2-dideoxy-2-fluoro- (9CI) (CA INDEX NAME)

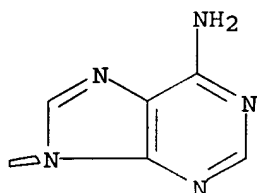
Absolute stereochemistry.

PAGE 1-A





PAGE 1-B

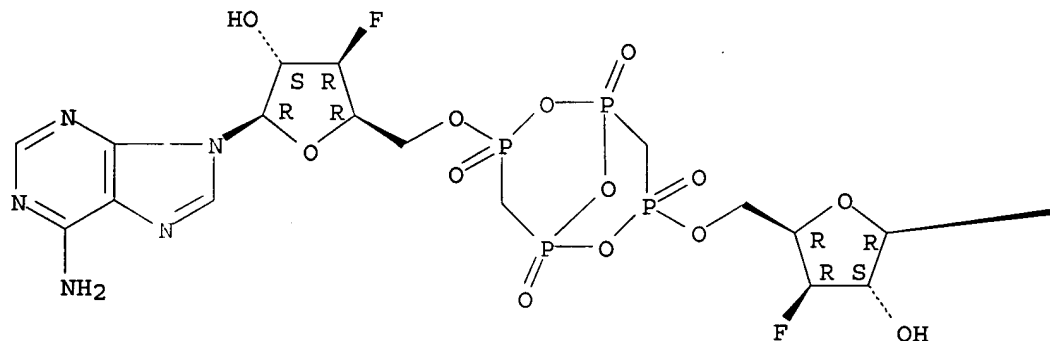


RN 206647-55-4 CAPLUS

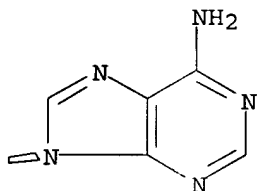
CN  $\beta$ -D-Xylofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,3-dideoxy-3-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

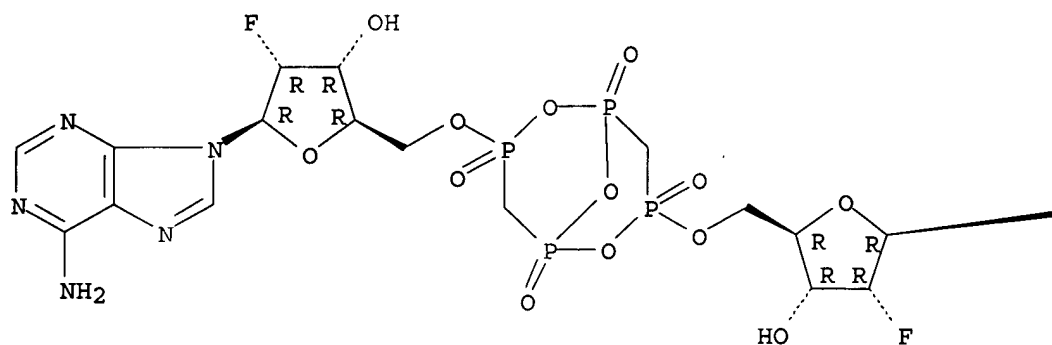


RN 206647-56-5 CAPLUS

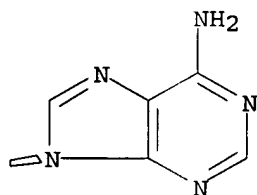
CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[2'-deoxy-2'-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

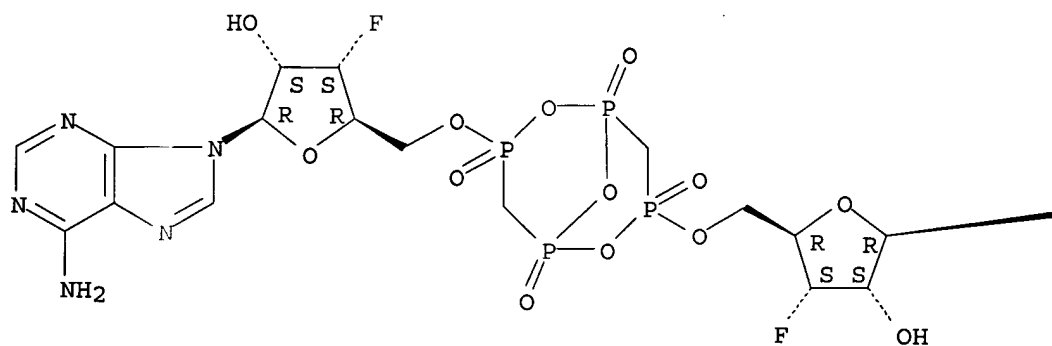


RN 206647-57-6 CAPLUS

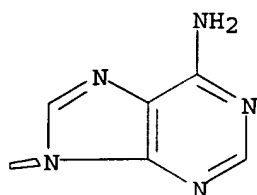
CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[3'-deoxy-3'-fluoro- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

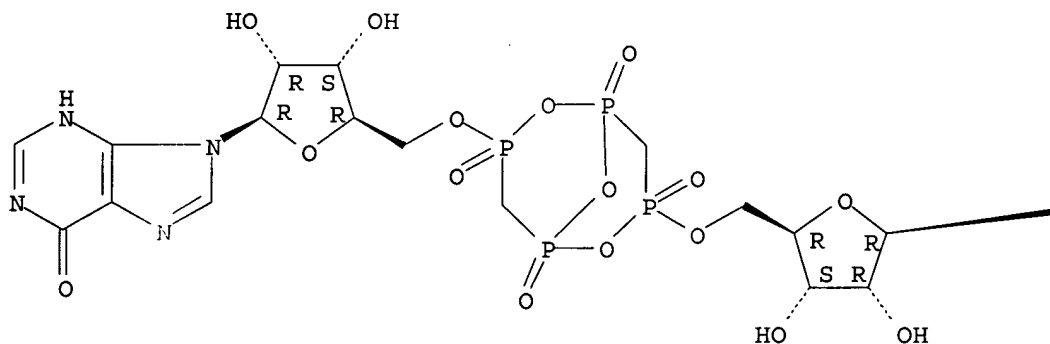


RN 206647-58-7 CAPLUS

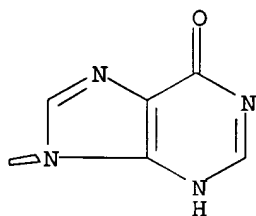
CN Inosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

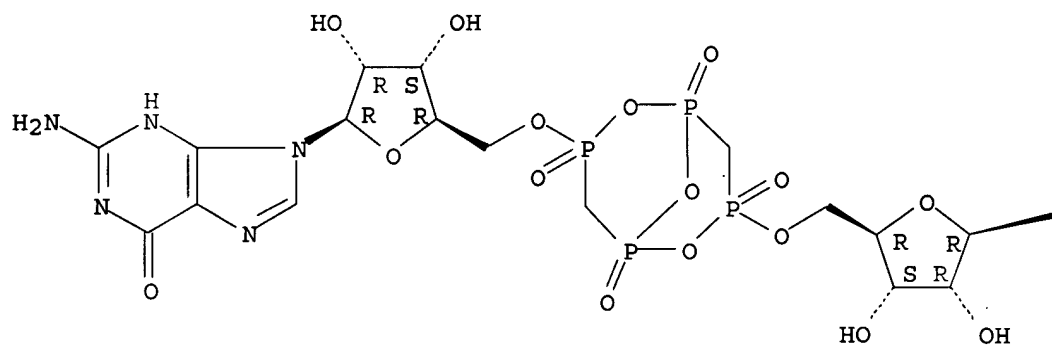


RN 206647-59-8 CAPLUS

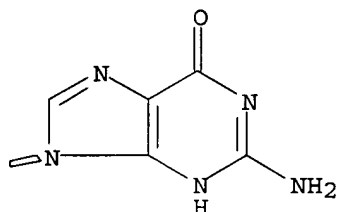
CN Guanosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



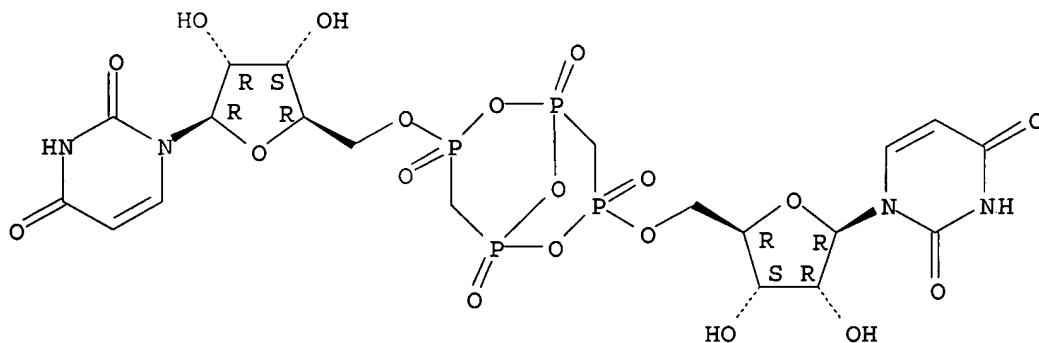
PAGE 1-B



RN 206647-60-1 CAPLUS

CN Uridine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

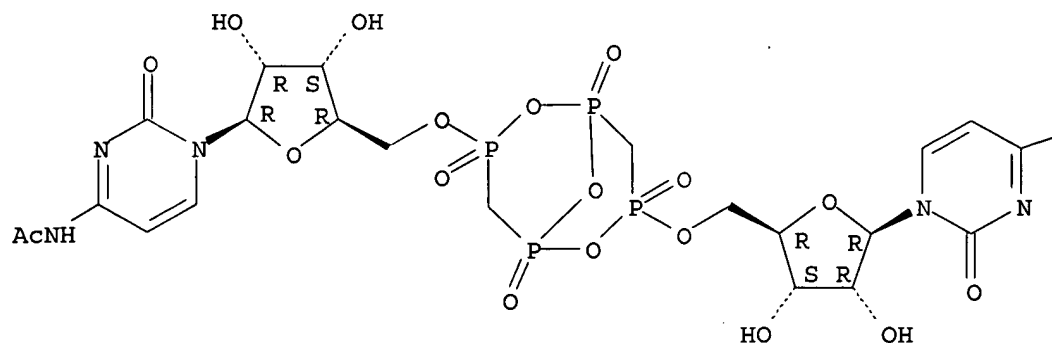


RN 206647-61-2 CAPLUS

CN Cytidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[N-acetyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



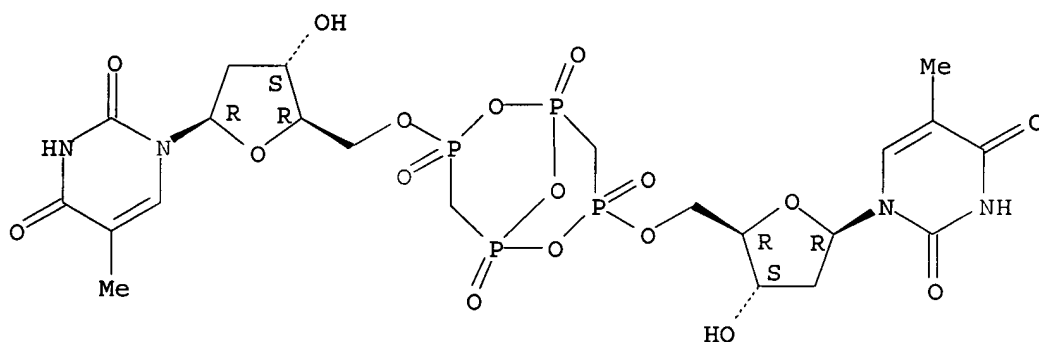
PAGE 1-B

—NHAc

RN 206647-62-3 CAPLUS

CN Thymidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

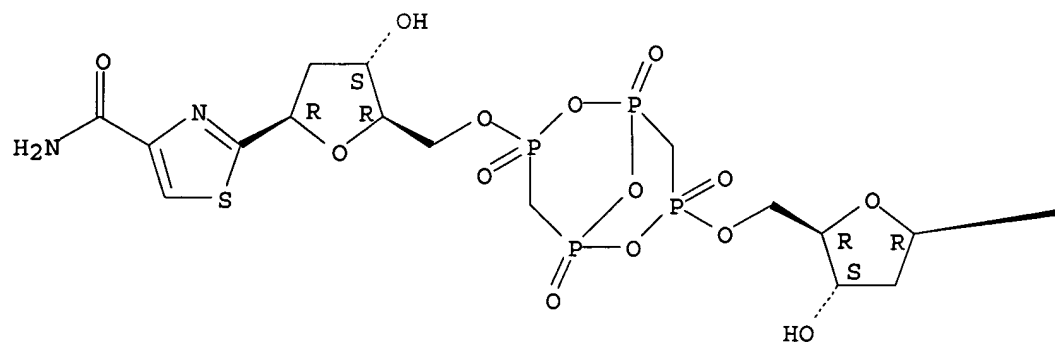


RN 206647-63-4 CAPLUS

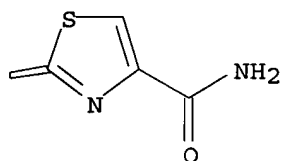
CN D-erythro-Pentitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)-2-thiazolyl]-1,4-anhydro-2-deoxy-, (1R,1'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

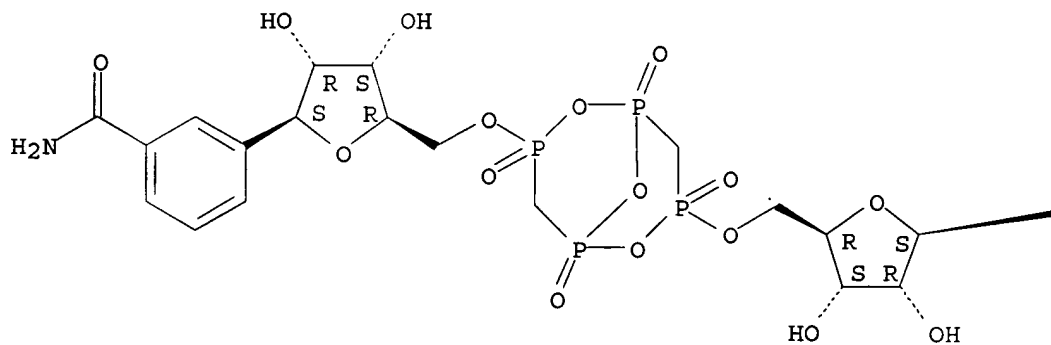


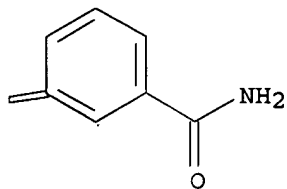
RN 206647-64-5 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)phenyl]-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

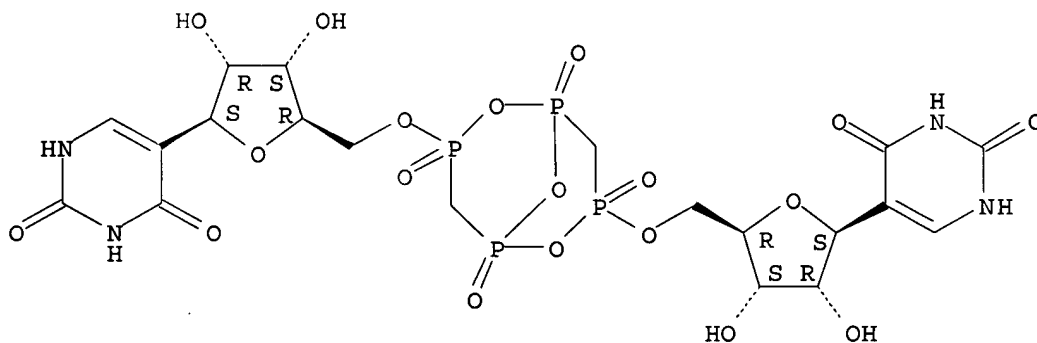




RN 206647-65-6 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, (1S,1'S)-(9CI) (CA INDEX NAME)

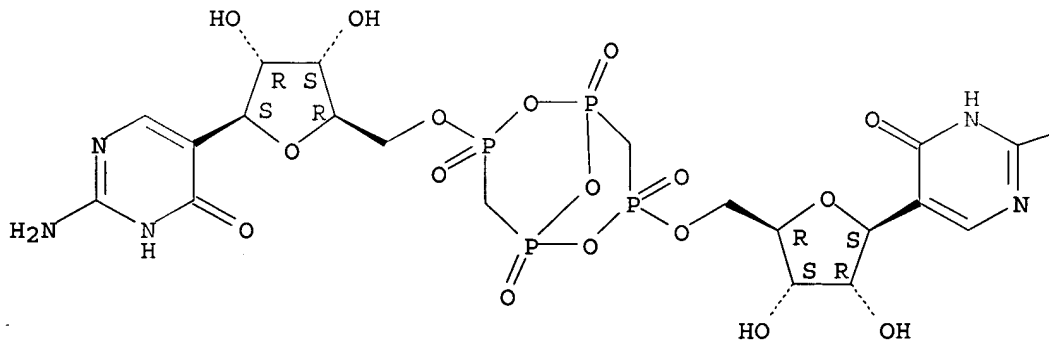
Absolute stereochemistry.



RN 206647-66-7 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



PAGE 1-B

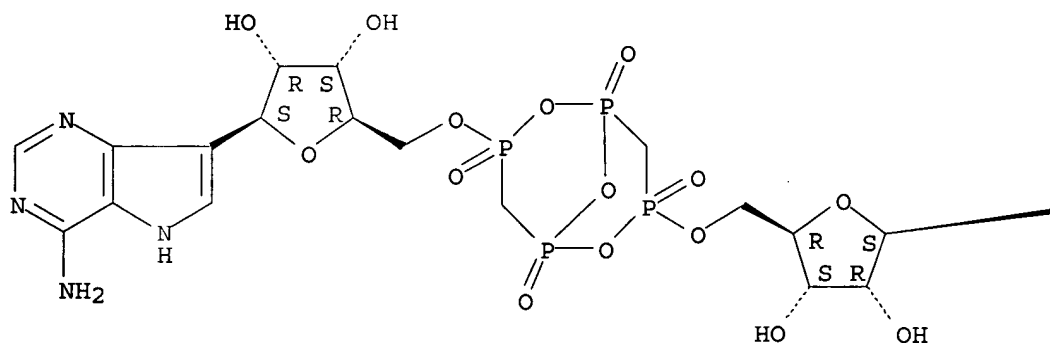
—NH<sub>2</sub>

RN 206647-67-8 CAPLUS

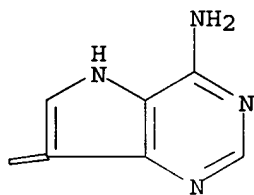
CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(4-amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



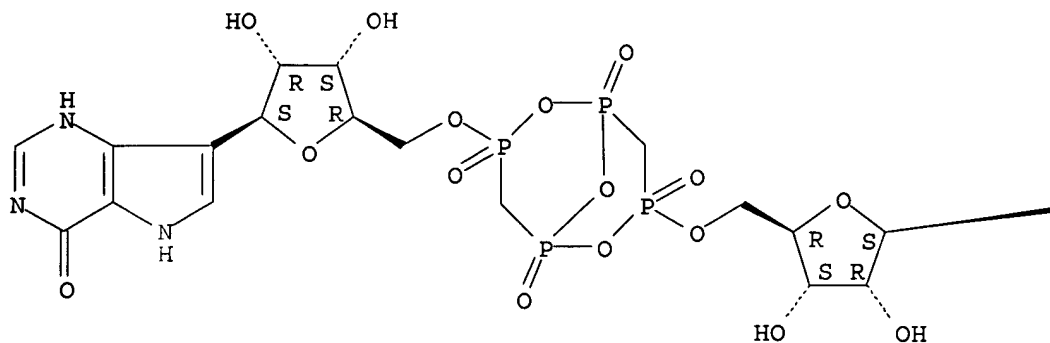
RN 206647-68-9 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

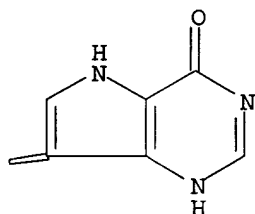
Absolute stereochemistry.



PAGE 1-A



PAGE 1-B

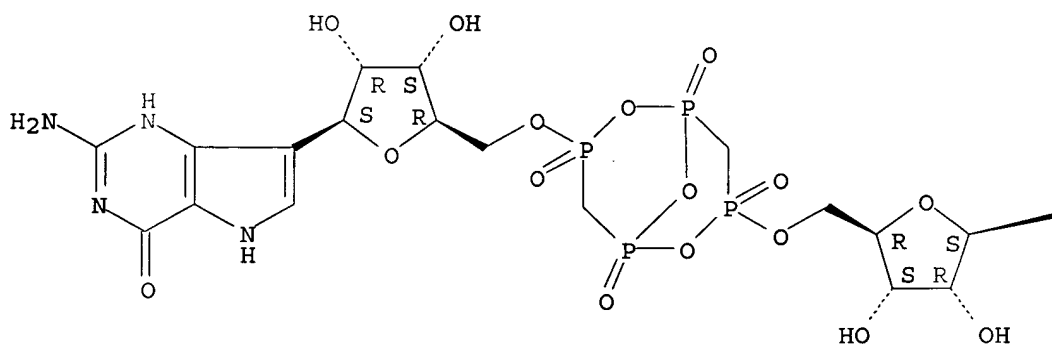


RN 206647-69-0 CAPLUS

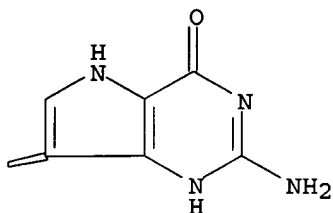
CN D-Ribitol, 5,5'-O- (1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl) bis[1-C- (2-amino-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl) -1,4-anhydro-, (1S,1'S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

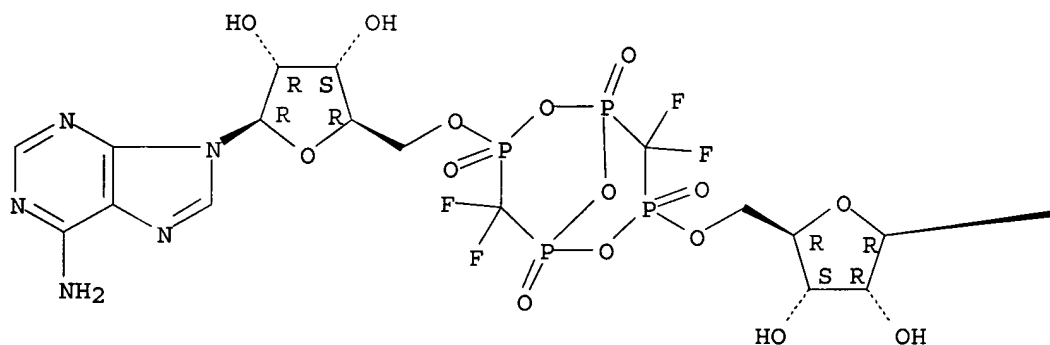


RN 206647-70-3 CAPLUS

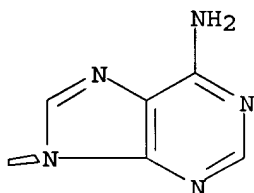
CN Adenosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

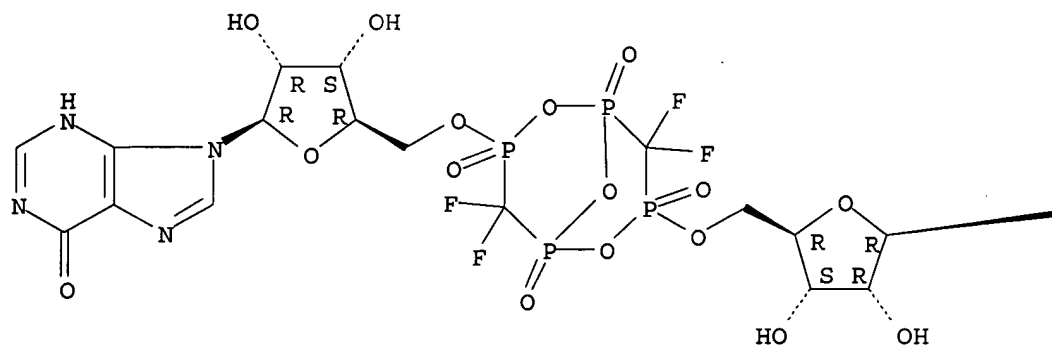


RN 206647-71-4 CAPLUS

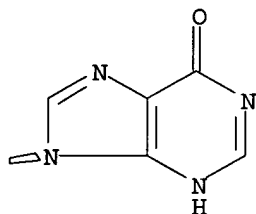
CN Inosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

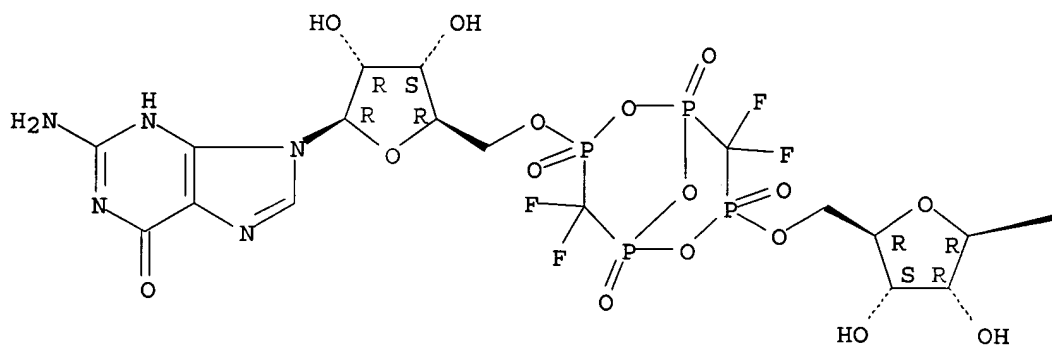


RN 206647-72-5 CAPLUS

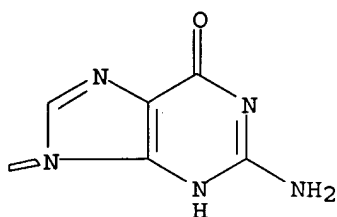
CN Guanosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



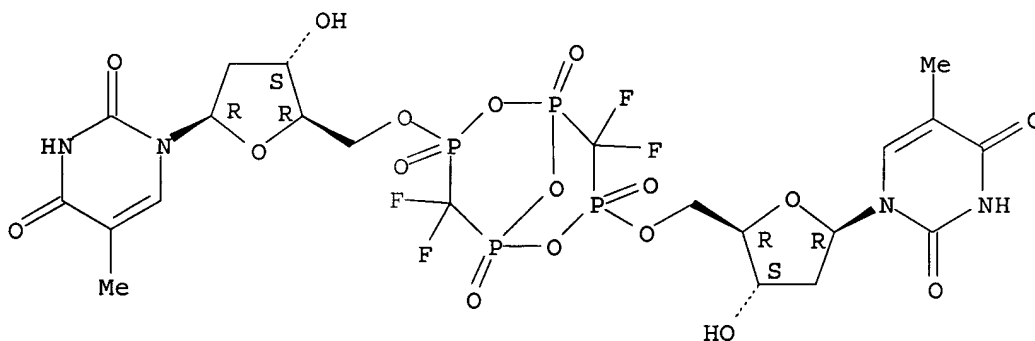
PAGE 1-B



RN 206647-73-6 CAPLUS

CN Thymidine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

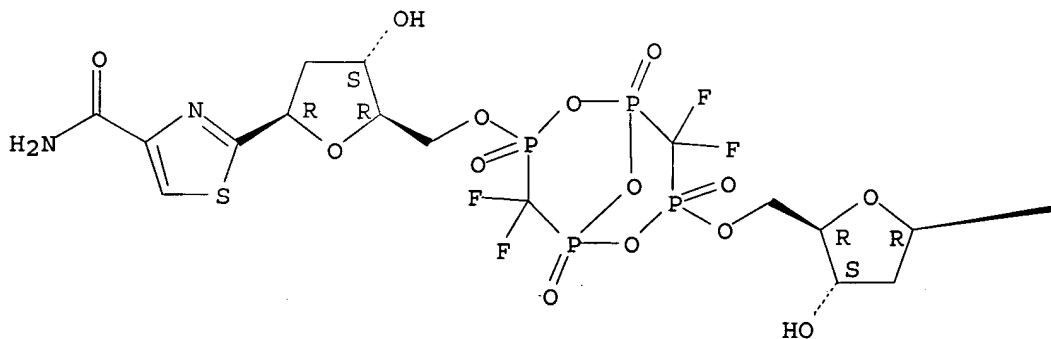


RN 206647-74-7 CAPLUS

CN D-erythro-Pentitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)-2-thiazolyl]-1,4-anhydro-2-deoxy-, (1R,1'R)- (9CI) (CA INDEX NAME)

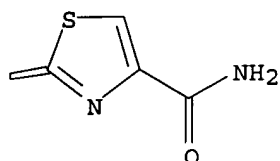
Absolute stereochemistry.

PAGE 1-A



10812214

PAGE 1-B

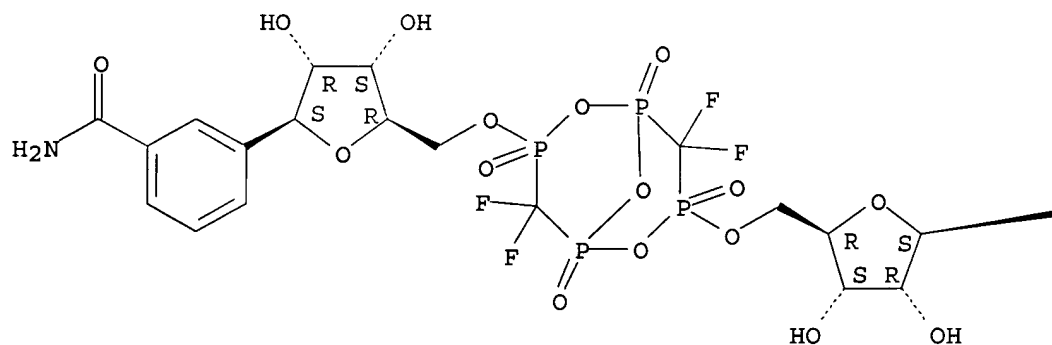


RN 206647-75-8 CAPLUS

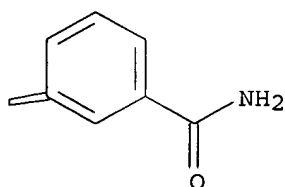
CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)phenyl]-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



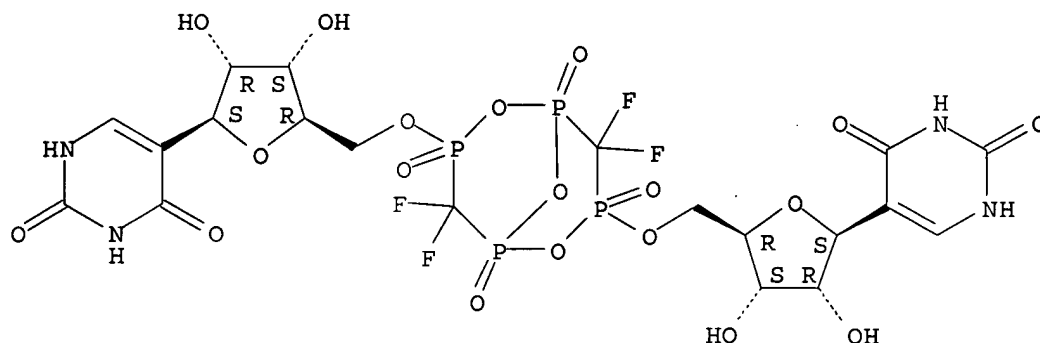
RN 206647-76-9 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

10812214

NAME)

Absolute stereochemistry.

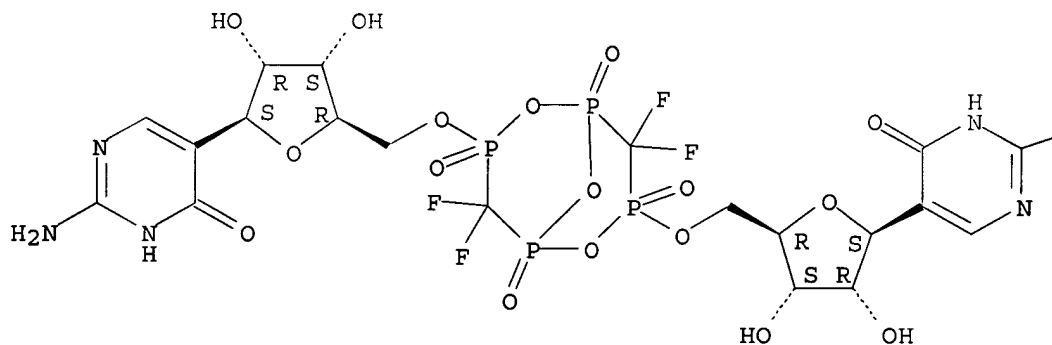


RN 206647-77-0 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—NH<sub>2</sub>

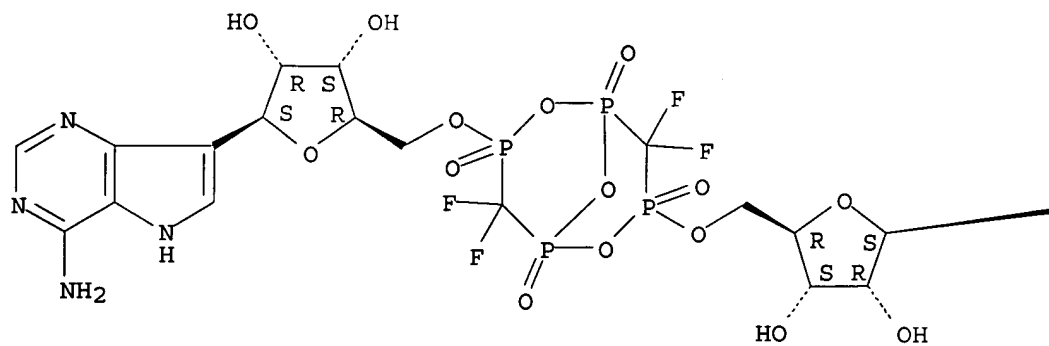
RN 206647-78-1 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(4-amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

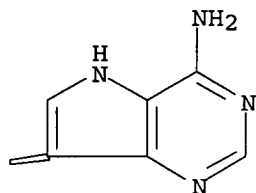
Absolute stereochemistry.

10812214

PAGE 1-A



PAGE 1-B

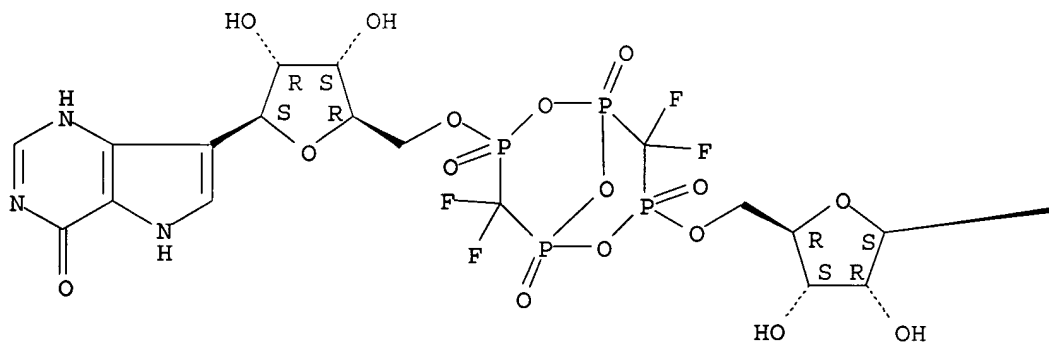


RN 206647-79-2 CAPLUS

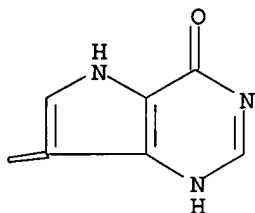
CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

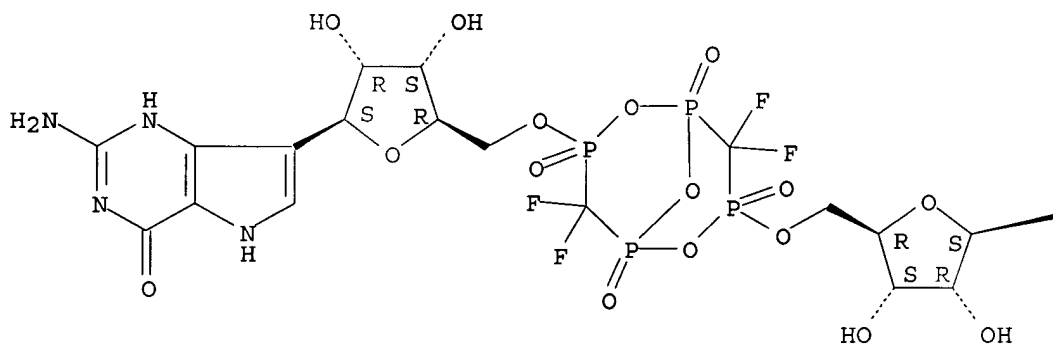


RN 206647-80-5 CAPLUS

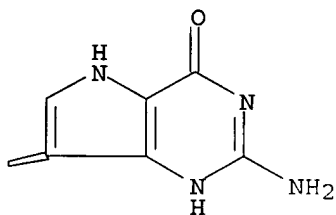
CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

GI For diagram(s), see printed CA Issue.

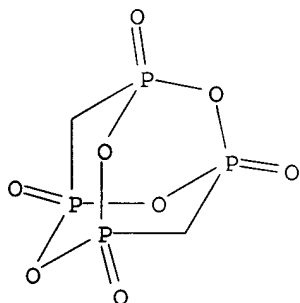
AB Methylenediphosphonic acid was condensed with dicyclohexylcarbodiimide through a number of intermediate species to the unionized birdcage anhydride (I), identified by 31P NMR. I is a phosphonic analog of P205.

10812214



The intermediate mol. species were identified and the course of the reaction studied. Phosphoric acids were also condensed to carbodiimide bird-cage P<sub>4</sub>O<sub>10</sub> adducts.

AN 1975:458940 CAPLUS  
 DN 83:58940  
 TI Full anhydrization of methylenediphosphonic acid and of phosphoric acids by a carbodiimide  
 AU Glonek, Thomas; Van Wazer, John R.; Myers, Terrell C.  
 CS Med. Cent., Univ. Illinois, Chicago, IL, USA  
 SO Inorganic Chemistry (1975), 14(7), 1597-602  
 CODEN: INOCAJ; ISSN: 0020-1669  
 DT Journal  
 LA English  
 IT 55644-14-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 55644-14-9 CAPLUS  
 CN 2,4,6,8-Tetraoxa-1,3,5,7-tetraphosphatricyclo[3.3.1.1<sup>3,7</sup>]decane,  
 1,3,5,7-tetraoxide (9CI) (CA INDEX NAME)



=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	24.40	191.55
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

FILE 'STNGUIDE' ENTERED AT 14:08:47 ON 21 FEB 2006  
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE  
 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
 LAST RELOADED: Feb 17, 2006 (20060217/UP).

=> logoff y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.24	191.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION

10812214

06/03/2006

Page 26

CA SUBSCRIBER PRICE

0.00

-2.25

STN INTERNATIONAL LOGOFF AT 14:10:56 ON 21 FEB 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 05 CASREACT(R) - Over 10 million reactions available  
NEWS 4 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE  
NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
NEWS 6 DEC 14 CA/CAPLUS to be enhanced with updated IPC codes  
NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 13 JAN 30 Saved answer limit increased  
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency  
added to TULSA  
NEWS 15 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 16 FEB 22 Status of current WO (PCT) information on STN  
NEWS 17 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 18 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 19 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 20 FEB 28 MEDLINE/LMEDLINE reload improves functionality  
NEWS 21 FEB 28 TOXCENTER reloaded with enhancements  
NEWS 22 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral  
property data  
NEWS 23 MAR 01 INSPEC reloaded and enhanced  
NEWS 24 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information

10812214

NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:39:53 ON 06 MAR 2006

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 10:40:09 ON 06 MAR 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 6 Mar 2006 VOL 144 ISS 11

FILE LAST UPDATED: 5 Mar 2006 (20060305/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s (11 and 567 and 1972)/so

1159530 11/SO

16480 567/SO

368268 1972/SO

L1 10 (11 AND 567 AND 1972)/SO

=> s 11 and glonek

1 GLONEK

L2 0 L1 AND GLONEK

=> d 1-10 abs bib hitstr 11

L1 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AB Unavailable

10812214

AN 1973:448450 CAPLUS  
DN 79:48450  
TI Radiation imaging properties of pyroelectric detector arrays  
AU Schlosser, Philip A.  
CS Ohio State Univ., Columbus, OH, USA  
SO (1972) 184 pp. Avail.: Univ. Microfilms, Ann Arbor, Mich.,  
Order No. 73-11,567  
From: Diss. Abstr. Int. B 1973, 33(11), 5313  
DT Dissertation  
LA English

L1 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AB A new hollow fiber capillary dialyzer was evaluated in intermittent hemodialysis. Its clearance values are superior to those of all artificial kidneys, except for phosphate clearance. The performance of the dialyzer, its tech. aspects, and results in over 1000 hemodialyses are discussed.  
AN 1973:415252 CAPLUS  
DN 79:15252  
TI Capillary dialyzer for hemodialysis  
AU Pinggera, W. F.; Egert, H.; Nelson, M. E.  
CS II. Med. Universitaetsklin., Vienna, Austria  
SO Wiener Zeitschrift fuer Innere Medizin und Ihre Grenzgebiete (1972), 53(11), 567-73  
CODEN: WZIMAJ; ISSN: 0043-5376  
DT Journal  
LA German

L1 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AB A review with 5 refs.  
AN 1973:409264 CAPLUS  
DN 79:9264  
TI Methane hazard in Polish salt mines  
AU Cybulski, Wacław; Gorol, Czesław; Gotkowski, Tadeusz; Sobala, Jerzy  
CS Inst. Bezpieczeństwa Gorn., Katowice, Pol.  
SO Pr. Gl. Inst. Gorn., Komun. (1972), No. 567, 11 pp.  
CODEN: PGIGAT  
DT Report; General Review  
LA Polish

L1 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AB A review with 19 refs. A systematic approach to research on anovulatory drugs is recommended, with emphasis on the need to organize information from clin. and chemical studies and on methods of use. A potency scale is presented for the most common progestagens.  
AN 1973:92780 CAPLUS  
DN 78:92780  
TI Birth control pills and colpocytology  
AU Moura, A. F. Assis; Ramiro, Jose; Neyde, Hylma  
CS Hosp. Cent., IASEG, Brazil  
SO Revista Brasileira de Medicina (1972), 29(11), 567-78  
CODEN: RBMEAU; ISSN: 0034-7264  
DT Journal; General Review  
LA Portuguese

L1 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
GI For diagram(s), see printed CA Issue.  
AB Anal. of the ir spectra of the title compds. [I (R and R1 given: Et, Me;